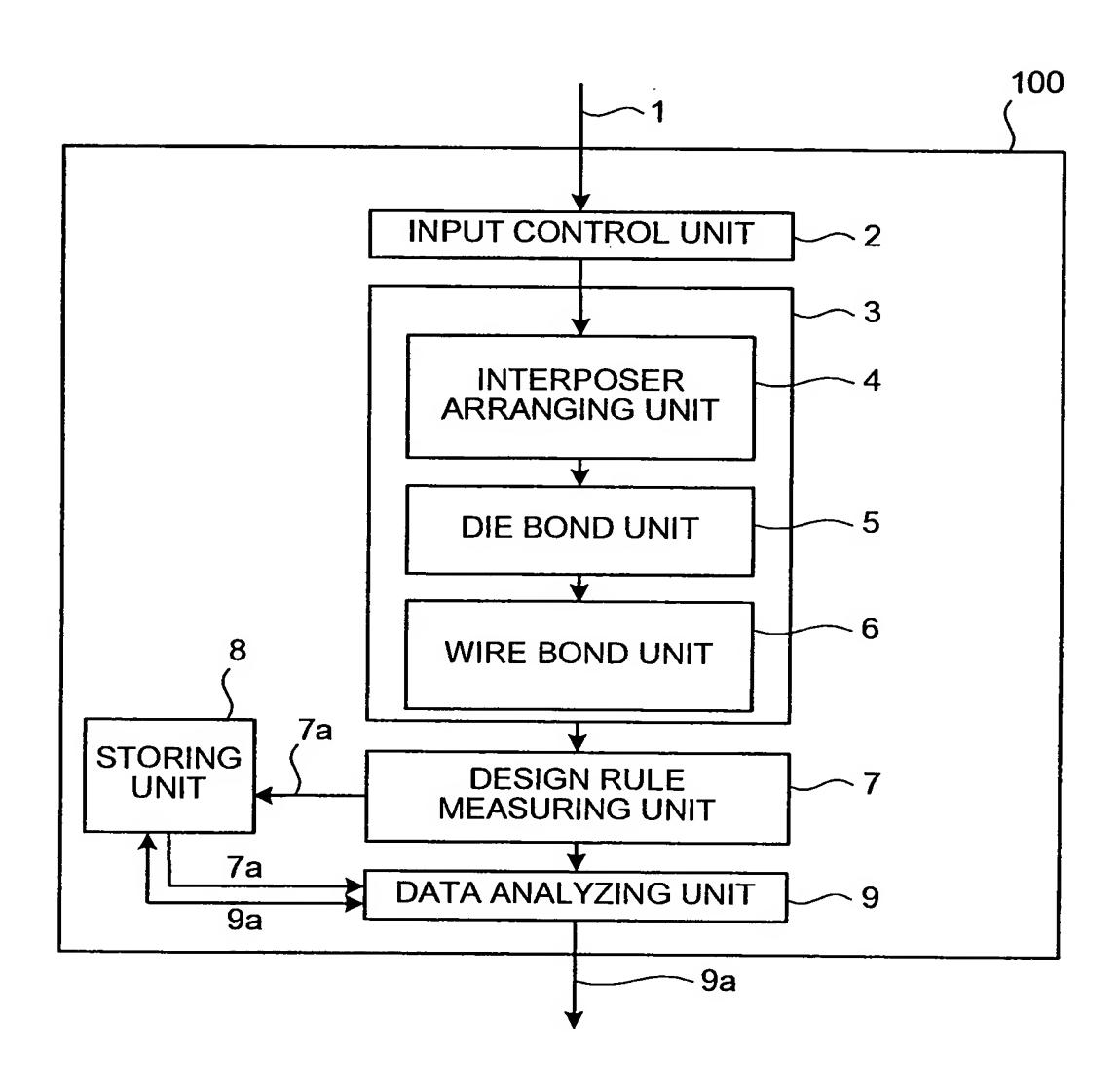
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TITLE: DESIGN SUPPORT APPARATUS FOR

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INVENTOR(S): AKIHIRO GOTO ET AL.
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FIG.1



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FIG.2

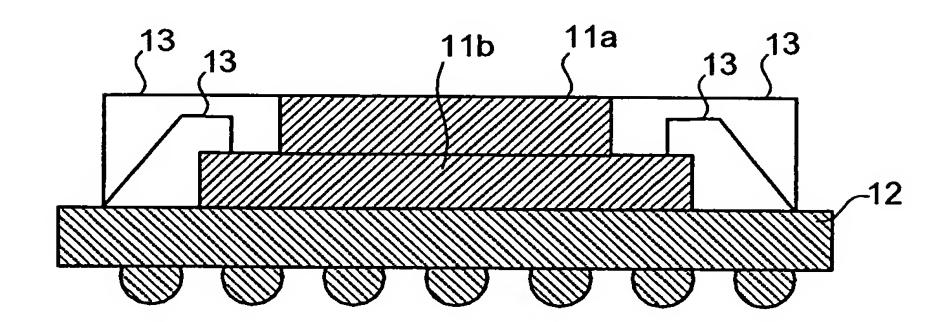
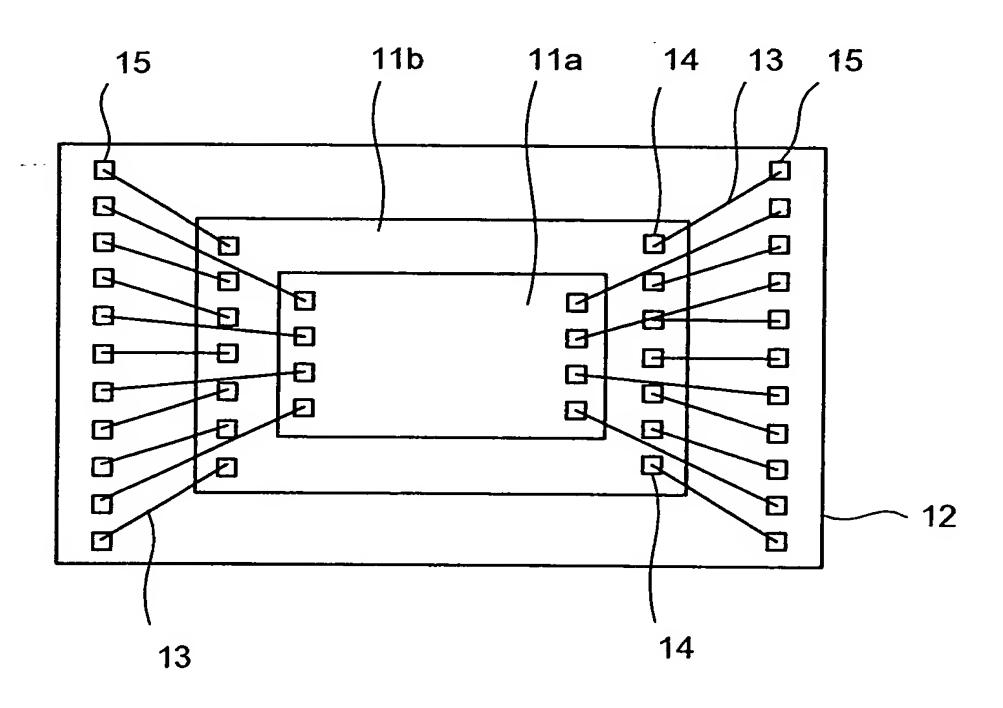


FIG.3



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FIG.4

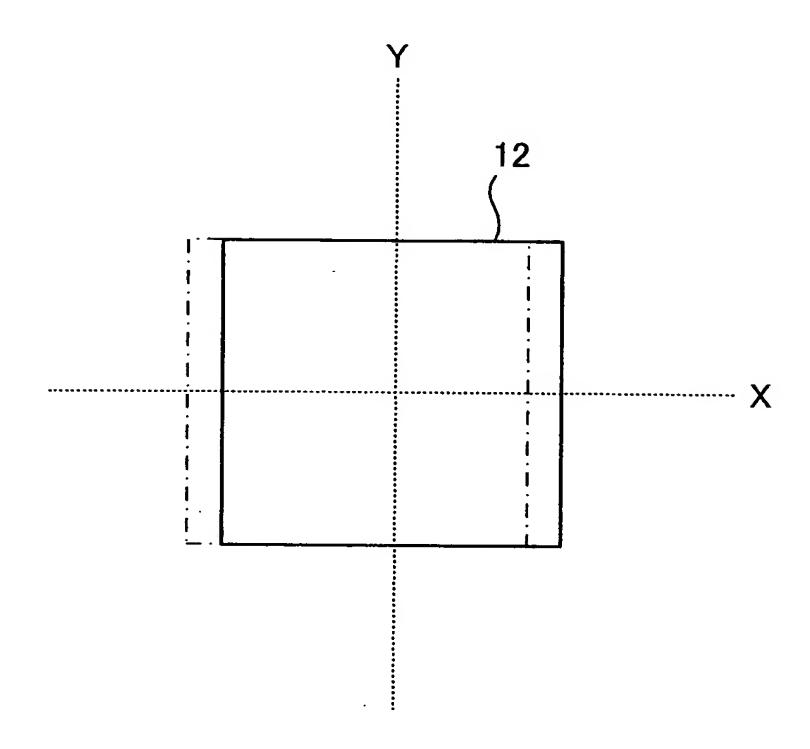
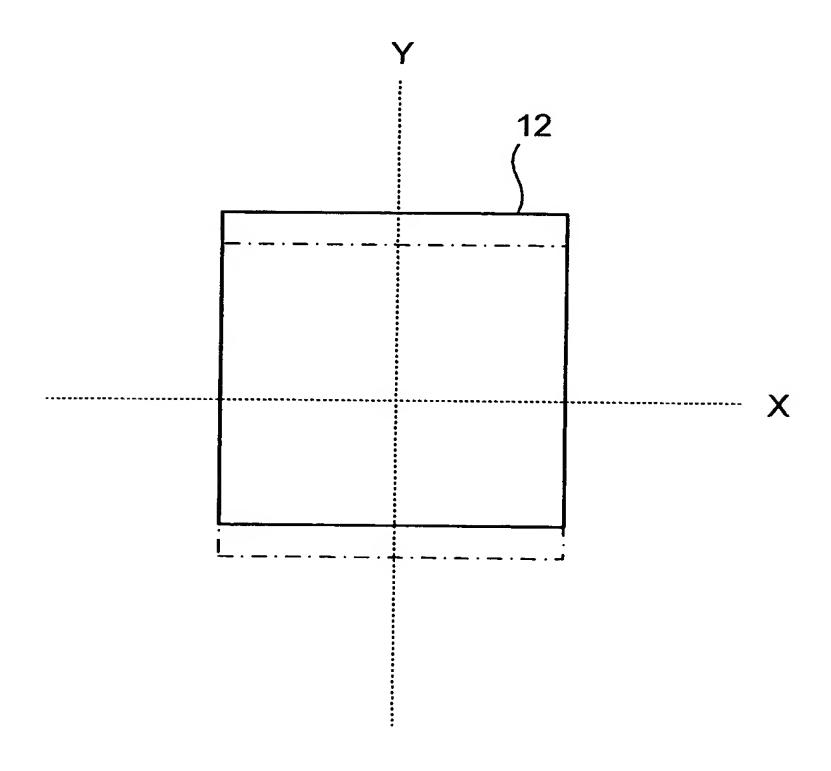


FIG.5



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FIG.6

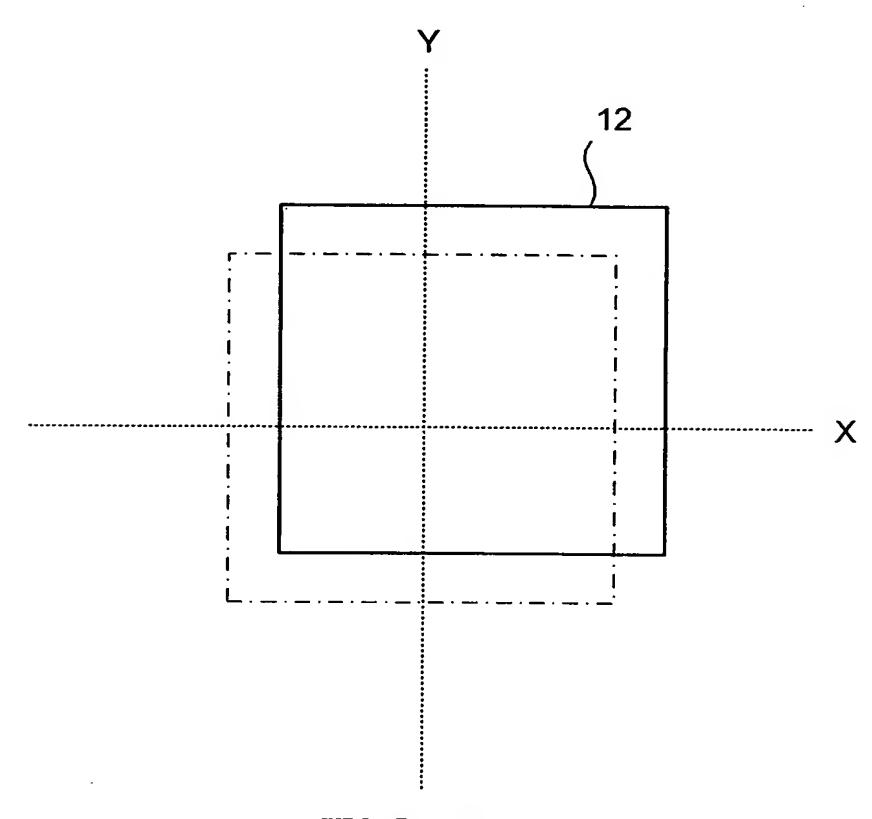
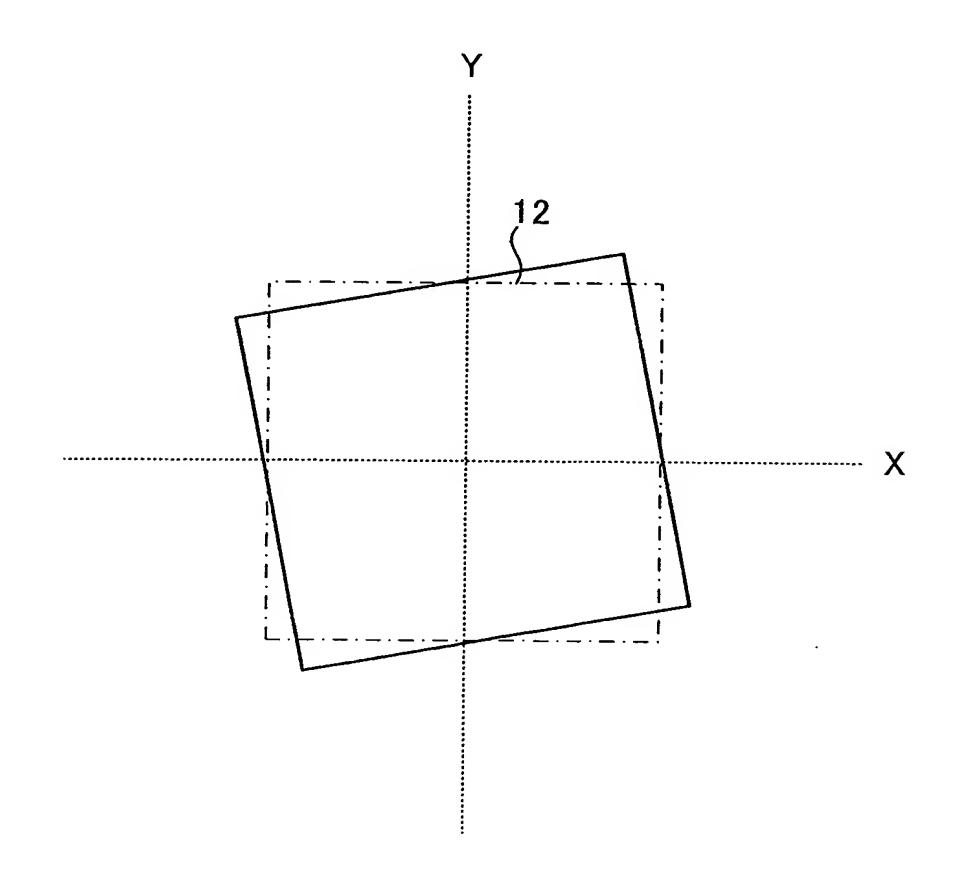


FIG.7



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FIG.8

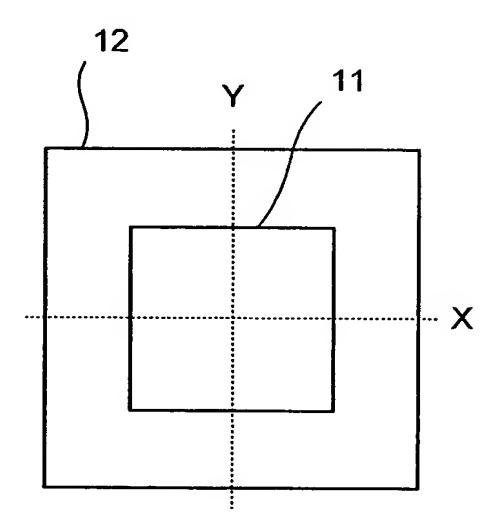
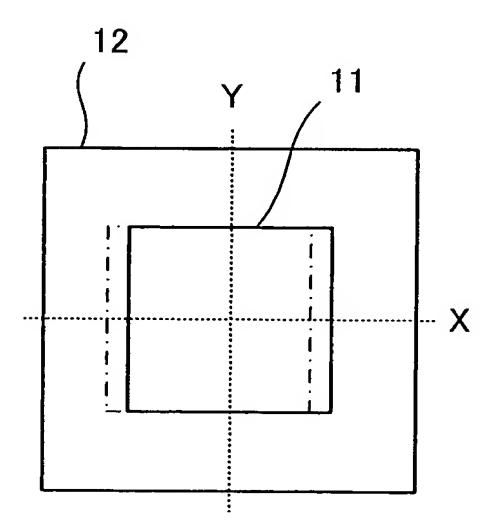


FIG.9



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FIG.10

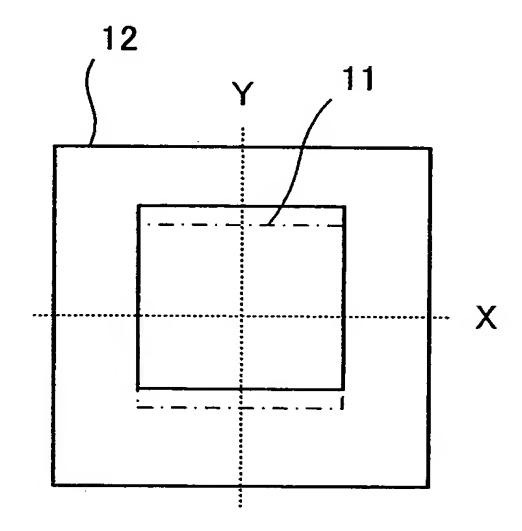
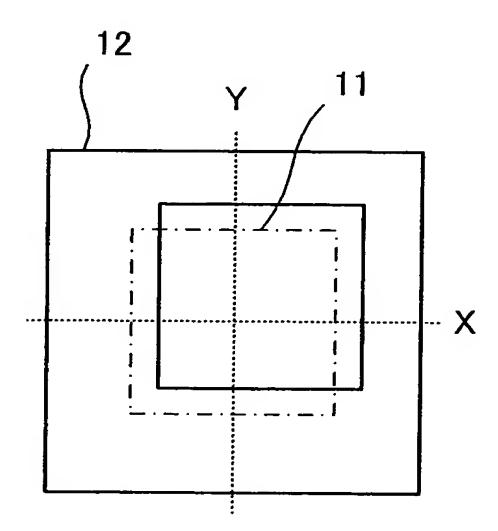


FIG.11



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FIG.12

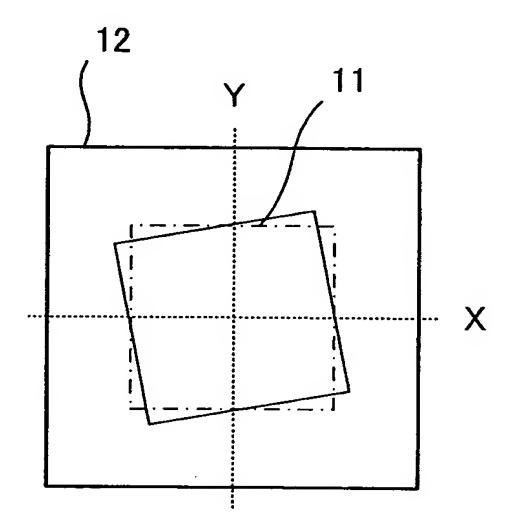


FIG.13



| FACTOR | LEVEL | | |
|-----------------------|-----------------|---|-----------------|
| | 1 | 2 | 3 |
| HORIZONTAL DIRECTION | -n ₁ | 0 | +n ₁ |
| VERTICAL DIRECTION | -n ₂ | 0 | +n ₂ |
| HEIGHT DIRECTION | -n ₃ | 0 | +n ₃ |

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FIG.14



| No. | HORIZONTAL DIRECTION | VERTICAL DIRECTION | HEIGHT DIRECTION |
|-----|-------------------------|-----------------------|---------------------|
| 1 | -n ₁ | -n ₂ | -n ₃ |
| 2 | -n ₁ | 0 | 0 |
| 3 | -n ₁ | +n ₂ | +n ₃ |
| 4 | 0 | -n ₂ | 0 |
| 5 | 0 | 0 | +n ₃ |
| 6 | 0 | +n ₂ | -n ₃ |
| 7 | +n ₁ | -n ₂ | +n ₃ |
| 11 | +n ₁ | 0 | -n ₃ |
| 12 | +n ₁ | +n ₂ | 0 |

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FIG.15

